

# Operating Instructions

## Professional Overhead Projector

MODEL  
28A638



Audio Visual Products

**DUKANE**

# **IMPORTANT SAFETY INSTRUCTIONS**

When using your overhead projector, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.
2. Close supervision is necessary when any projector is used by or near children. Do not leave projector unattended while in use.
3. Care must be taken as burns can occur from touching hot parts.
4. Do not operate projector with a damaged cord or if the projector has been dropped or damaged – until it has been examined by a qualified serviceman.
5. Position the cord so that it will not be tripped over, be pulled or contact hot surfaces.
6. If an extension cord is necessary, a cord with a current rating at least equal to that of the projector should be used. Cords rated for less amperage than the projector may overheat.
7. Always unplug projector from electrical outlet before cleaning and servicing and when not in use. Never yank cord to pull plug from outlet. Grasp plug and pull to disconnect.
8. Let projector cool completely before putting away.
9. To protect against the risk of electric shock, do not immerse this projector in water or other liquids.
10. To avoid the risk of electric shock, do not disassemble this projector, but take it to a qualified serviceman when some service or repair work is required. Incorrect reassembly can cause electric shock when the projector is used subsequently.
11. The use of accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock or injury to persons.
12. Connect this projector to a grounded outlet.
13. Disconnect this unit from its source of supply before replacing the projection lamp.

Additional lamp safeguards: never handle lamps with bare fingers; periodically inspect lamps, when they're turned off, for signs of blistering or blackening; insure proper action of the cooling system; turn off the projector immediately if the image becomes abnormally dim; never operate a projector with the lamp housing open; and make sure that the lamp itself is properly seated.

## **SAVE THESE INSTRUCTIONS**

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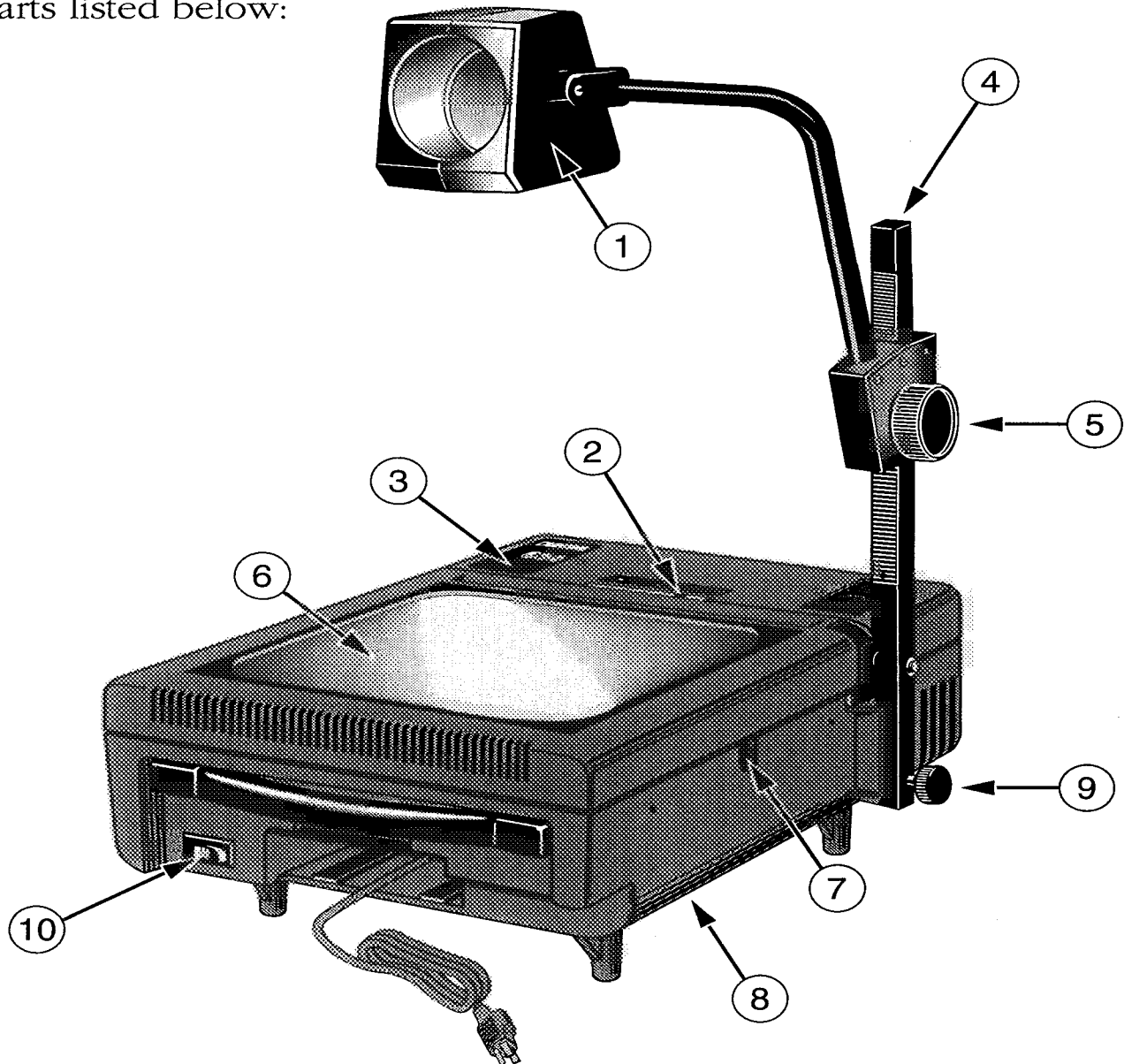
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# 1 – PRODUCT FEATURES

A number of terms are used frequently in this instruction booklet. The OVERHEAD PROJECTOR will be easier to operate if you become familiar with the terms and their respective features for the functional parts listed below:



- |   |  |
|---|--|
| <b>1. Double Element Head;</b> used to direct projected image | <b>6. Stage;</b> place presentation media to be projected on stage |
| <b>2. Lamp Changer Lever;</b> slide for replacement lamp      | <b>7. Stage Latch;</b> release for lamp replacement and cleaning   |
| <b>3. Lamp Cover;</b> remove to replace lamp                  | <b>8. Base</b>   |
| <b>4. Mast;</b> rack & pinion focusing mechanism              | <b>9. Locking Knob;</b> release for fold-away design               |
| <b>5. Focus Knob;</b> turn to focus projected image           | <b>10. Power Switch</b>  |

## **2 – SPECIFICATIONS**

Dimensions .....	32" H x 13" W x 17.5" D (Opened)
Aperture .....	10" x 10" (254mm x 254mm)
Lens .....	Two Element, 335mm (13.2")
Lamp .....	360W, ENX
Typical Illumination .....	3000 Lumens
Elevation .....	Up to 30 Degrees
Focus .....	Rack and Pinion
Power .....	120V, 60Hz, 4.4A
Power Cord .....	3-Wire Grounded, 10 Ft.
Safety Interlock .....	Cuts Off Power When Unit Is Open
Weight .....	17 Lbs.

## **3 – GENERAL DESCRIPTION**

This Dukane Overhead Projector is a transmissive (lamp under stage) projector designed to project material on transparencies for audience viewing. This model includes a lamp changing mechanism.

Your Dukane projector is designed to incorporate rugged simplicity with easy-to-use, efficient operation. With a minimum of routine care and maintenance, it will provide you with many years of dependable service.

## 4 – OPERATION

Place the projector on a stable surface that is desk or table height. Make sure that the side vents are not blocked. Plug the power cord into a standard 120V AC outlet. Turn the projector on. Place a transparency on the stage. Adjust the focus by turning the focusing knob.

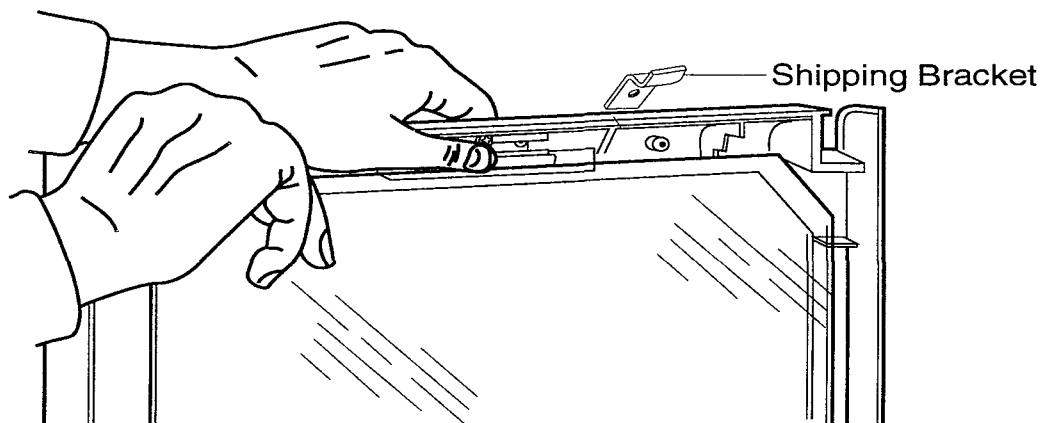
The lamp changing device allows you to quickly replace a failed lamp. Simply slide the lamp changing lever towards the side labeled “SPARE 2.”

## 5 – CARE IN USE

### Maintenance

To clean Fresnel, cover glass and mirror.

1. Loosen lamp cover screws and remove cover.
2. Press stage catch.
3. Lift and swing stage over.
4. Remove Fresnel (4 screws).
5. Clean with dry, lint-free cloth.
6. Shipping brackets do not need to be replaced if the Fresnel is removed for cleaning. See below.



## **Lamp Replacement**

**CAUTION:** Glass components may shatter. Cover glass parts with cloth. Protect eyes. Handle carefully.

Allow the lamp to cool before removing it.

Your projector uses:

360W; ENX

Dukane Part No. 456-188.

### **TO REMOVE:**

1. Remove the defective lamp by pulling up and pushing back the lamp ejection lever.
2. Before inserting a new lamp, move the ejection lever back to its original position.
3. Avoid touching the new lamp — oily skin can cause discoloration of the lamp capsule or reflector.
4. Push lamp down into socket until firmly seated with the reflector lined up with the aperture.

### **Information On Lamp Warranty**

Projection lamps are warranted by the lamp manufacturer and not by the equipment manufacturer. If you have a lamp which you believe to be defective, contact the manufacturer of that particular lamp for the appropriate warranty replacement.

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1501 South 19th Street  
Mattoon, IL 61938



## **6 – SERVICING**

### **Shipping Information**

If it becomes necessary to return a unit, please use the original packing material or pack securely to insure safe shipment.

### **Service**

Service and parts are available from Dukane or an approved service station. Contact Dukane Service Department at 1-800-676-2487 for the nearest service station. Service manuals are also available at nominal cost.

### **No Charge Warranty Repair**

Unit must be taken or sent to Dukane or approved service station with warranty card and sales receipt.

The manufacturer will not be liable for any expense incurred because of failure to present warranty card, pickup and delivery charges, service calls, or if service is supplied by other than the Dukane approved service stations.

## **7 – ELECTRICAL SAFETY GROUNDING INSTRUCTIONS**

This Class I product uses a three-wire power cord that grounds the product for your protection. Do not DEFEAT or REMOVE the grounding pin. If an extension cord is used, it must also be a three-wire type with an ampere rating equal or greater than the product's rating. The plug must be connected to a properly grounded three-terminal power receptacle. Connection to any other type of receptacle should be done only by a qualified electrician in accordance with local and/or national electrical codes.

## — NOTES —



## **THREE-YEAR LIMITED WARRANTY**

This Dukane audio visual product is warranted to the original purchaser for a period of three (3) years from the original purchase date – in normal use and service – against defects in material and workmanship. DUKANE CORPORATION EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

During the warranty period, Dukane Corporation will repair or replace (at the Manufacturer's option) any such defective parts (except for lamps, which are subject to whatever warranties the manufacturer may provide) without charge to the purchaser for parts or labor when the product is returned, prepaid and insured, with proof-of-purchase date. This remedy of repair or replacement is exclusive of all other remedies that the purchaser may have. This exclusive remedy is void if the product has been damaged by accident or unreasonable use, neglect, or improper service or other causes not arising out of defects in material or workmanship.

Dukane Corporation disclaims all liability for incidental or consequential damages of any kind, including all damages arising out of any interruptions in operation of the product and all damages to software.

No person, firm or representative is authorized to assume any obligation or make any warranty on behalf of the Dukane Corporation other than as stated above.

THIS LIMITED WARRANTY IS VALID FOR U.S.A. AND CANADA.  
FOR OTHER LOCATIONS, LOCAL WARRANTIES APPLY.

Audio Visual Products

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